

- Sub 31*
- E1 Cont*
- a) introducing a DNA which comprises a copy of the gene coding for the enzyme into the Escherichia coli strain XL1 Red or into a functional derivative,
 - b) incubating the transformed Escherichia coli strain XL1 Red or its functional derivative to generate mutations in the enzyme gene,
 - c) transferring the mutated DNA from the strain XL1 Red or its functional [function] derivative to a microorganism which has no impeding enzyme activity,
 - d) incubating this microorganism to detect the enzyme activity on or in at least one selection medium which comprises at least one enzyme substrate to recognize altered [unaltered] substrate specificity of the enzyme, with or without other indicator substances,
 - e) selecting the microorganisms which show an alteration in the substrate specificity, said microorganisms in steps b), d) and e) being a member selected from the group consisting of bacteria, fungi and yeasts.
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E2 Sub 33

10. (amended) A method as claimed in claim 1, wherein the alteration in the substrate specificity is selected from the group consisting of a regioselective, chemoselective or stereoselective alteration [alterations].

11. (amended) A method as claimed in claim 10 [8], wherein the alteration in the substrate specificity results in a stereoselective enzyme activity.
